

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

SUB E1

C1

1. (Currently Amended) A method for determining computer hardware requirements
2 for a yet-to-be built database management system server using user defined workload
3 requirements, the method comprising the steps of:
4 obtaining at least one user defined workload requirement, the user defined workload
5 requirement includes a plurality of inputs from a user including a maximum desired processor
6 utilization, and a transactions per second requirement;
7 determining the database management system server hardware requirements for the yet-
8 to-be built database management system server as a function of said user defined workload
9 requirement; and
10 outputting said yet-to-be built database management system server requirements.

1 2. (Canceled).

C2

1 3. (Currently Amended) A method for determining computer hardware requirements
2 for a yet-to-be built database management system server using user defined workload
3 requirements, the method comprising the steps of:
4 obtaining at least one user defined workload requirement;
5 determining the database management system server hardware requirements for the yet-
6 to-be built database management system server as a function of said user defined workload

7 requirement; and

8 outputting said yet-to-be built database management system server requirements, wherein

9 said database management system server requirements ~~A method according to claim 1, wherein~~

10 ~~said outputs~~ include a number of processors requirement, a memory size requirement, and a mass

11 storage requirement for the yet-to-be built database management system server.

1 4. (Currently Amended) A method for determining computer hardware requirements
2 for a yet-to-be built database management system server using user defined workload
3 requirements, the method comprising the steps of:

CR 4 obtaining at least one user defined workload requirement;

5 determining the database management system server hardware requirements for the yet-
6 to-be built database management system server as a function of said user defined workload

7 requirement; and

8 outputting said yet-to-be built database management system server requirements, wherein

9 said database management system server requirements include ~~A method according to claim 1,~~

10 ~~wherein said outputs comprise properties including~~ an expected effective CPU utilization for the

11 yet-to-be built database management system server based on the user defined workload

12 requirements.

1 5. (Currently Amended) A method for determining computer hardware requirements
2 for a yet-to-be built database management system server using user defined workload
3 requirements, the method comprising the steps of:

4 obtaining at least one user defined workload requirement;
5 determining the database management system server hardware requirements for the yet-
6 to-be built database management system server as a function of said user defined workload
7 requirement; and
8 outputting said yet-to-be built database management system server requirements, wherein
9 said database management system server requirements include A method according to claim 1,
10 ~~wherein said outputs comprise properties including~~ an expected number of users that can be
11 supported by the yet-to-be built database management system server based on the user defined
12 workload requirements.

CA
1 6. (Currently Amended) A method according to claim [[1]] 5, wherein said ~~outputs~~
2 ~~comprise properties including~~ database management system server requirements includes an
3 expected effective CPU utilization of ~~and an expected number of users supported by the yet-to-~~
4 be built database management system server based on the user defined workload requirements.

1 7. (Currently Amended) A method for determining computer hardware requirements
2 for a yet-to-be built database management system server using user defined workload
3 requirements, the method comprising the steps of:

4 obtaining at least one user defined workload requirement;
5 determining the database management system server hardware requirements for the yet-
6 to-be built database management system server as a function of said user defined workload
7 requirement; and

8 outputting said yet-to-be built database management system server requirements, wherein
9 said database management system server requirements ~~A method according to claim 1,~~
10 wherein said user defined workload requirement[[s]] includes a baseline system
11 transactions per second, and said output[[s]] includes a calculated transactions per second value,
12 and a ratio of said calculated transactions per second to said baseline transactions per second, and
13 wherein said determining step determines values for said calculated transactions per second and
14 said transactions per second ratio.

C2
1 8. (Previously Presented) A method for determining computer hardware
2 requirements for a yet-to-be-built database management system server using a user-defined
3 workload, the method comprising the steps of:
4 obtaining from a user a plurality of transaction definitions, wherein each of said
5 transactions definitions have a transaction workload contribution and an expected execution rate
6 per second;
7 calculating a total expected workload as a function of said transaction definitions; and
8 outputting said total workload to said human user.

1 9. (Previously Presented) A method according to claim 16, further comprising
2 the step of obtaining a server type from said user.

1 10. (Previously Presented) A method according to claim 16, further comprising
2 the step of obtaining a maximum desired processor utilization.

1 11. (Previously Presented) A method according to claim 16, further comprising
2 the step of obtaining a maximum desired network interface card utilization.

1 12. (Previously Presented) A method according to claim 16, further comprising
2 the step of obtaining a server type, a LAN speed, a maximum desired processor utilization, and a
3 maximum desired network interface card utilization.

CP 1 13. (Previously Presented) A method according to claim 16, wherein at least
2 some of said transaction definitions include at least one SQL statement wherein each of said
3 transaction workloads is calculated by calculating a workload contribution of each of said SQL
4 statements.

1 14. (Previously Presented) A method according to claim 13, wherein said SQL
2 statements include insert, delete, update, and/or select SQL statement types.

1 15. (Original) A method according to claim 14, wherein
2 said insert SQL types have parameters including a number of identical insert statements,
3 and wherein said insert statement SQL workload contribution is a function of said statement
4 parameters,
5 said delete SQL types have parameters including a number identical delete statements,
6 and wherein said delete statement SQL workload contribution is a function of said statement
7 parameters,

8 said update SQL types have parameters including a number of records to be operated on
9 by said update statement, and wherein said update statement SQL workload contribution is a
10 function of said statement parameters, and

11 said select SQL types have parameters including selectivity criteria, and wherein said
12 select statement SQL workload contribution is a function of said statement parameters.

1 16. (Previously Presented) A method for determining computer hardware
2 requirements for a yet-to-be-built database management system server using a user-defined
3 workload, the method comprising the steps of:

CR 4 obtaining from a user a plurality of transaction definitions, wherein each of said
5 transactions definitions have a transaction workload contribution and an expected execution rate
6 per second;

7 determining a total expected workload as a function of said transaction definitions; and

8 determining the database management system server hardware requirements for the yet-
9 to-be built database management system server as a function of said total expected workload.

1 17. (Previously Presented) A method according to claim 16 wherein the
2 database management system server hardware requirements includes a processor type for the yet-
3 to-be built database management system server.

1 18. (Currently Amended) A method according to claim 16 wherein the database
2 management system server hardware requirements includes a number of processors for the yet-

3 to-be built database management system server.

1 19. (Previously Presented) A method according to claim 16 wherein the
2 database management system server hardware requirements includes I/O requirements for the
3 yet-to-be built database management system server.

1 20. (Previously Presented) A method according to claim 16 wherein the
2 database management system server hardware requirements includes memory requirements for
3 the yet-to-be built database management system server.

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1 21. (Currently Amended) Computer executable code stored on machine readable
2 media for determining computer hardware requirements for a yet-to-be-built database
3 management system server using a user-defined workload, the computer executable code
4 performing the steps of:
5 obtaining from a user a plurality of transaction[[s]] definitions, wherein each of said
6 transaction[[s]] definitions have a transaction workload contribution and an expected execution
7 rate per second;
8 determining a total expected workload as a function of said transaction[[s]] definitions;
9 and
10 determining the database management system server hardware requirements for the yet-
11 to-be built database management system server as a function of said total expected workload.